

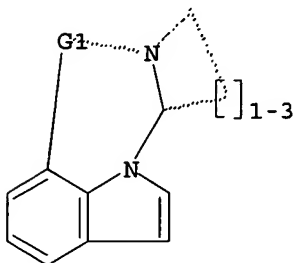
10/840,151

(FILE 'HOME' ENTERED AT 15:59:19 ON 07 MAR 2005)

FILE 'REGISTRY' ENTERED AT 16:00:43 ON 07 MAR 2005

L1 STRUCTURE UPLOADED

=> D L1
L1 HAS NO ANSWERS
L1 STR



G1 Co,Ir,Ni,Pd,Pt,Rh

Structure attributes must be viewed using STN Express query preparation.

=> S L1
SAMPLE SEARCH INITIATED 16:01:06 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 54 TO ITERATE

100.0% PROCESSED 54 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 640 TO 1520
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> S L1 FULL
FULL SEARCH INITIATED 16:01:12 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1225 TO ITERATE

100.0% PROCESSED 1225 ITERATIONS 4 ANSWERS
SEARCH TIME: 00.00.01

L3 4 SEA SSS FUL L1

=> FIL CAPLUS
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 161.33 161.75

FILE 'CAPLUS' ENTERED AT 16:01:18 ON 07 MAR 2005
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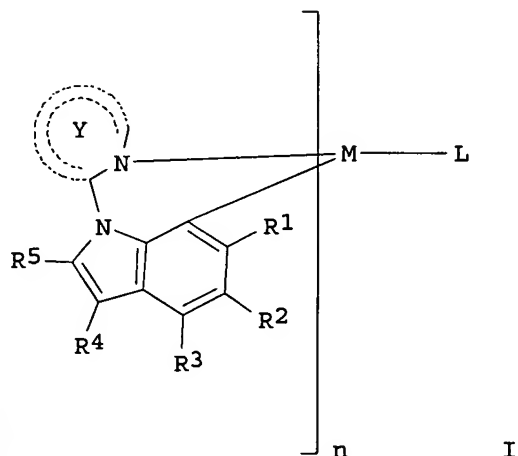
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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L3
 L4 3 L3
 => D 1-3 BIB ABS

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2004:999709 CAPLUS
 DN 141:417587
 TI Phosphorescent organometallic complexes and light-emitting element containing the complexes
 IN Seo, Satoshi; Tokuda, Atsushi; Inoue, Hideko
 PA Semiconductor Energy Laboratory Co., Ltd., Japan
 SO U.S. Pat. Appl. Publ., 22 pp.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 2004230061	A1	20041118	US 2004-840151	20040506
	JP 2005002101	A2	20050106	JP 2004-139984	20040510
	US 2005033054	A1	20050210	US 2004-926382	20040825
PRAI	JP 2003-138862	A	20030516		
	US 2004-840151	A1	20040506		
OS	MARPAT 141:417587				
GI					



AB Organometallic complexes are described by the general formula (I) where each of R1-5 is selected from H, a halogen atom, a lower alkyl group, an alkoxy group, an acyl group, a nitro group, a cyano group, an amino group, a dialkylamino group, a diaryl amino group, a vinyl group, an aryl group, and a heterocyclic group; where Y is a heterocyclic group containing a N as a hetero atom; where M is ≥ 1 of atoms of group 9 and group 10 in the periodic table, where when the M is the atom of group 9 in the periodic table, $n=2$, where when the M is the atom of group 10 in the periodic table, $n=1$; and where L is selected from the group consisting of a monoanionic bidentate chelate ligand having a beta diketone structure, a monoanionic bidentate chelate ligand having a carboxy group and a monoanionic bidentate chelate ligand having a phenol hydroxy group. Phosphorescent materials and light-emitting devices based on the above complexes are also discussed.

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2004:450767 CAPLUS
 DN 141:23731
 TI Cost-effective preparation of asymmetric transition metal complexes
 IN Akiyama, Seiji; Yabe, Masayoshi; Oba, Shiho
 PA Mitsubishi Chemical Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 30 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 2004155728	A2	20040603	JP 2002-324175	20021107
PRAI	JP 2002-324175		20021107		
OS	MARPAT 141:23731				
GI					

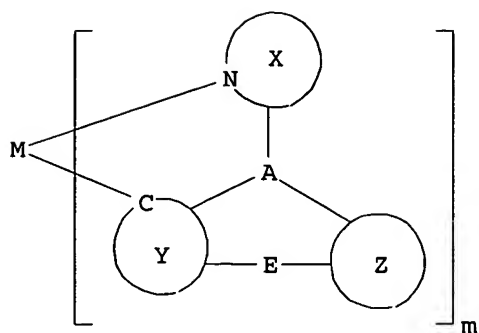
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The complexes I (M2 = transition metal; n2 = the number of bidentate ligand = (valence of M2) - 1; Z = direct bond, 2-4-valent linkage; Q1, Q2 = C, N; W1-W4 = H, substituent; W1W2, W2W3, and W3W4 may form ring; X, Y = O, S, N, P] are prepared from alkali metal or alkaline earth metal complexes II (M1 = alkali metal, alkaline earth metal; n = the number of ligand = valence of M1; X, Y = same as above). Thus, 2-(2-pyridyl)benzothiophene was treated with IrCl3 to give III, which was treated with Na acetylacetonate to give IV.

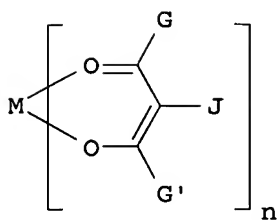
L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2003:945449 CAPLUS
 DN 140:21334
 TI Iridium or platinum coordination compounds for organic electroluminescent devices and displays
 IN Igawa, Satoshi; Takiguchi, Takao; Kamatani, Atsushi; Okada, Shinjiro; Tsuboyama, Akira; Miura, Kiyoshi; Moriyama, Takashi; Iwawaki, Hironobu
 PA Canon Inc., Japan
 SO Jpn. Kokai Tokkyo Koho, 17 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese

FAN.CNT 1

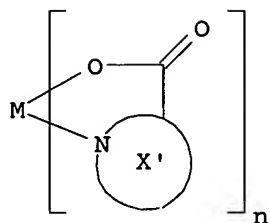
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	JP 2003342284	A2	20031203	JP 2002-156586	20020530
PRAI	JP 2002-156586		20020530		
OS	MARPAT 140:21334				
GI					



I



II



III

AB The compds. are $ML_mL'_n$ [$M = Ir, Pt$; $m = 1-3$; $n = 0-2$; $m + n = 2, 3$; $ML_m = I$; $ML'_n = II$ or III ; $X, X' =$ cyclic group coordinated to M via N ; $Y =$ cyclic group coordinated to M via C ; $Z =$ cyclic group; $A = CR, N, B, SiR'$; $R, R' = H, aryl, C1-20 alkyl$; $E =$ single bond, $C1-4 alkylene$; $G, G', J = C1-20 alkyl, di(substituted)amino, aryl$; J may be H]. The devices and displays show less time degradation of luminescence intensity.

10/840,151

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	37593	LIGHT ADJ EMITTING ADJ ELEMENT	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/07 16:26
L3	764828	L2 AND ORGANOMETALLIC COMPLEX	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/07 16:26
L4	18	L2 AND (ORGANOMETALLIC ADJ COMPLEX)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/07 16:26